Contents

[GIBOC\_femur.m 1](#_Toc118331837)

Note to begin with:

1. Changes

Changes comment:

%%%% changes %%%

…

%%%% changes %%%

# GIBOC\_femur.m

## GIBOC\_femur\_articularsurf.m

Default post condyle parameters

switch art\_surface

case 'full\_condyles'

% Identify full articular surface of condyles (points)

% PARAMETERS

CutAngle\_Lat = 70;

CutAngle\_Med = 85;

InSetRatio = 0.8;

ellip\_dilat\_fact = 0.025;

case 'post\_condyles'

% Identify posterior part of condyles (points)

% PARAMETERS

CutAngle\_Lat = 10;

CutAngle\_Med = 25;

InSetRatio = 0.6;

ellip\_dilat\_fact = 0.025;

case 'pat\_groove'

% same as posterior

CutAngle\_Lat = 10;

CutAngle\_Med = 25;

InSetRatio = 0.6;

ellip\_dilat\_fact = 0.025;

otherwise

end

Change the ‘post condyles’

**Parameters**

* **CutAngle**
  + not sure what the cut angle does
  + dose not seem to change the outputed articular surface when changed (for “post\_condyles”)
    - check this further

Graphical user interface, text, application, Word

Description automatically generated

* **InSetRatio**
  + By how much the 2D ellipse shrink
  + **Chart

    Description automatically generated with low confidence**

PtsOnCondylesFemur.m

Add debug plot:

